

Abstract Of The Disclosure

A thermally processable graft copolymer formed from a water soluble polymer and a water insoluble polymer, wherein the graft copolymer forms a hydrogel upon exposure to water. A method to form such a hydrogel-forming graft copolymer by copolymerizing a water soluble 2-substituted-2-oxazolines with a water insoluble 2-substituted-2-oxazoline. A method to form such a hydrogel-forming graft copolymer by transamidating a poly-2-oxazoline with a carboxylic acid terminated water-insoluble polymer.